

# Electronic Filing System (EFS) Data

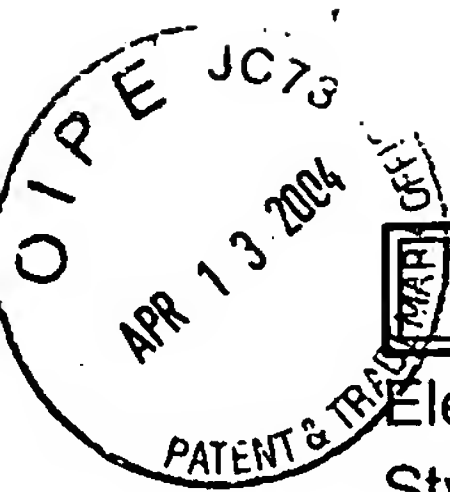
## Electronic Patent Application Submission

### USPTO Use Only

EFS ID: 58912  
Application ID: 10605863  
Title of Invention: Improved Drill String  
Transmission Line  
First Named Inventor: David Hall  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2003-10-31  
Effective Receipt Date: 2004-04-13  
Submission Type: Information Disclosure  
Statement  
Filing Type:  
Confirmation number: 2862  
Attorney Docket Number: 66-0038  
  
Total Fees Authorized: 180.0  
Payment Category: Deposit Account  
Deposit Account Number: 180584  
Deposit Account Name: Jeffery E. Daly  
Access Code: \*\*\*\*  
RAM Payment Status: RAM success  
RAM User ID: EFSPROD  
RAM Accounting Date: 2004-04-13  
RAM Sequence Number: 7




Digital Certificate Holder: cn=Jeffery Daly,ou=Registered Attorneys,ou=Patent and Trademark  
Office,ou=Department of Commerce,o=U.S. Government,c=US  
Certificate Message Digest: a0ebf421151f8c0fc432f53c945278b6d04d03e0

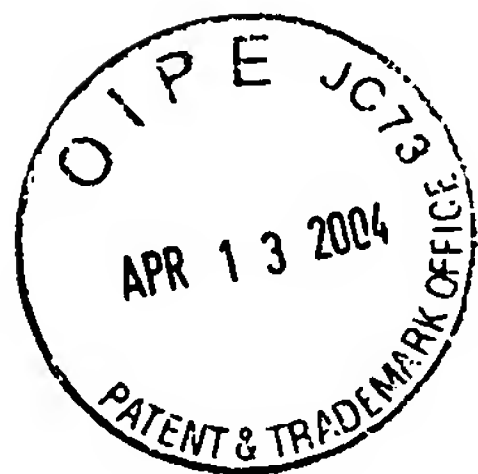


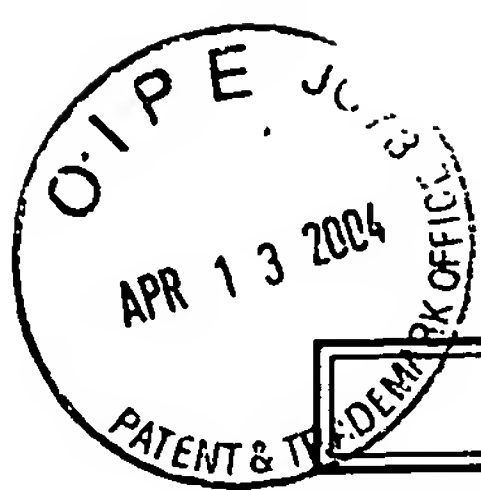
## TRANSMITTAL

Electronic Version v1.1  
Stylesheet Version v1.1.0

Title of Invention	Improved Drill String Transmission Line															
<p>Application Number: 10/605863 </p> <p>Date: 2003-10-31</p> <p>First Named Applicant: Mr. David R. Hall</p> <p>Confirmation Number: 2862</p> <p>Attorney Docket Number: 66-0038</p>																
<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>																
<table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Mr. Jeffery E. Daly Registered Number: 44,640</td><td>Jeffery E. Daly</td><td>Agent</td></tr></tbody></table>			Submitted by:	Elec. Sign.	Sign. Capacity	Mr. Jeffery E. Daly Registered Number: 44,640	Jeffery E. Daly	Agent								
Submitted by:	Elec. Sign.	Sign. Capacity														
Mr. Jeffery E. Daly Registered Number: 44,640	Jeffery E. Daly	Agent														
<table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-ids</td><td>66-0038IDS-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr><tr><td>us-fee-sheet</td><td>66-0038IDS-usfees.xml</td></tr><tr><td></td><td>us-fee-sheet.xsl</td></tr><tr><td></td><td>us-fee-sheet.dtd</td></tr></table>			Documents being submitted	Files	us-ids	66-0038IDS-usidst.xml		us-ids.dtd		us-ids.xsl	us-fee-sheet	66-0038IDS-usfees.xml		us-fee-sheet.xsl		us-fee-sheet.dtd
Documents being submitted	Files															
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Comments




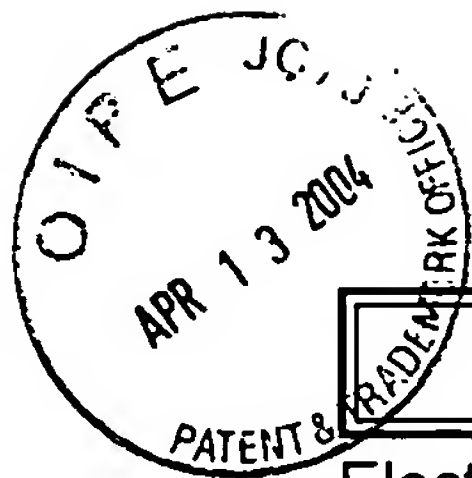


## FEE TRANSMITTAL

Electronic Version v08

Stylesheet Version v08.0


Title of Invention	Improved Drill String Transmission Line										
Application Number: 10/605863 											
Date: 2003-10-31											
First Named Applicant: Mr. David R. Hall											
Attorney Docket Number: 66-0038											
Art Unit: 3672											
<b>TOTAL FEE AUTHORIZED \$180</b>											
Patent fees are subject to annual revisions on or about October 1st of each year.											
<b>BASIC FILING FEE</b>											
<table border="1"><thead><tr><th>Fee Description</th><th>Fee Code</th><th>Amount \$</th><th>Fee Paid \$</th></tr></thead><tbody><tr><td>Submission Of Information Disclosure Stmt Fee</td><td>1806</td><td>180</td><td>180</td></tr></tbody></table>				Fee Description	Fee Code	Amount \$	Fee Paid \$	Submission Of Information Disclosure Stmt Fee	1806	180	180
Fee Description	Fee Code	Amount \$	Fee Paid \$								
Submission Of Information Disclosure Stmt Fee	1806	180	180								
<b>AUTHORIZED BILLING INFORMATION</b>											
The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:											
Deposit account number: 180584											
Access Code *****											
Deposit name: Reed Tool Co.											
Deposit authorized name: Jeffery E. Daly											
Signature: Jeffery E. Daly											
Date (YYYYMMDD): 2004-04-13											
Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.											

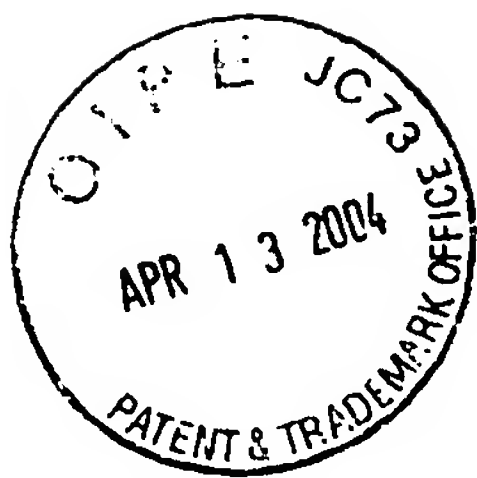


# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	Improved Drill String Transmission Line	
Application Number:	10/605863	
Confirmation Number:	2862	
First Named Applicant:	David Hall	
Attorney Docket Number:	66-0038	
Art Unit:	3672	
Search string:	( 00749633 or 02178931 or 02301783 or 02354887 or 02379800 or 02414719 or 02659773 or 02662123 or 02974303 or 03079549 or 03090031 or 03186222 or 03194886 or 03209323 or 03227973 or 03518608 or 03696332 or 03793632 or 03807502 or 03879097 or 03930220 or 03957118 or 03989330 or 04012092 or 04087781 or 04095865 or 04215426 or 04220381 or 04348672 or 04445734 or 04537457 or 04578675 or 04605268 or 04660910 or 04683944 or 04698631 or 04722402 or 04785247 or 04788544 or 04806928 or 04884071 or 04901069 or 04914433 or 04924949 or 05008664 or 05052941 or 05148408 or 05248857 or 05278550 or 05302138 or 05332049 or 05334801 or 05371496 or 05454605 or 05455573 or 05505502 or 05517843 or 05521592 or 05568448 or 05650983 or 05691712 or 05743301 or 05810401 or 05833490 or 05853199 or 05856710 or 05898408 or 05908212 or 05924499 or 05942990 or 05955966 or 05959547 or 05971072 or 06030004 or 06041872 or 06045165 or 06046685 or 06057784 or 06104707 or 06108268 or 06123561 or 06141763 or 06173334 or 06177882 or 06188223 or 06196335 or 06223826 or 06367565 or 06392317 or RE35790 or 04121193 or 04126848 or 02633414 or 02982360 or 05311661 or 05517843 or 02178931 or 02197392 or 02249769 or	



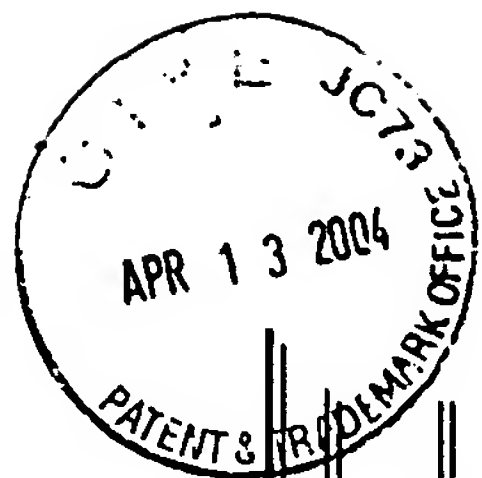
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 20030070842 or 20030213598 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	00749633	1904-01-12	Seeley	B1		
	2	02178931	1939-11-07	Crites et al	B1		
	3	02301783	1942-11-10	Lee	B1		
	4	02354887	1944-08-01	Silverman et al	B1		
	5	02379800	1945-07-03	Hare	B1		
	6	02414719	1947-01-21	Cloud	B1		
	7	02659773	1953-11-17	Barney	B1		
	8	02662123	1953-12-08	Koenig Jr	B1		
	9	02974303	1961-03-07	Dixon	B1		
	10	03079549	1963-02-26	Martin	B1		
	11	03090031	1963-05-14	Lord	B1		
	12	03186222	1965-06-01	Martin	B1		
	13	03194886	1965-07-13	Mason	B1		
	14	03209323	1965-09-28	Grossman Jr	B1		
	15	03227973	1966-01-14	Gray	B1		
	16	03518608	1970-06-30	Papadopoulos	B1		
	17	03696332	1972-10-03	Dickson Jr et al	B1		
	18	03793632	1974-02-19	Still	B1		
	19	03807502	1974-04-30	Heilhecker et al	B1		
	20	03879097	1975-04-22	Oertle	B1		
	21	03930220	1975-12-30	Shawhan	B1		
	22	03957118	1976-05-18	Barry et al	B1		
	23	03989330	1976-11-02	Cullen et al	B1		
	24	04012092	1977-03-15	Godbey	B1		
	25	04087781	1978-05-02	Grossi et al	B1		
	26	04095865	1978-06-20	Denison et al	B1		
	27	04215426	1980-07-29	Klatt	B1		



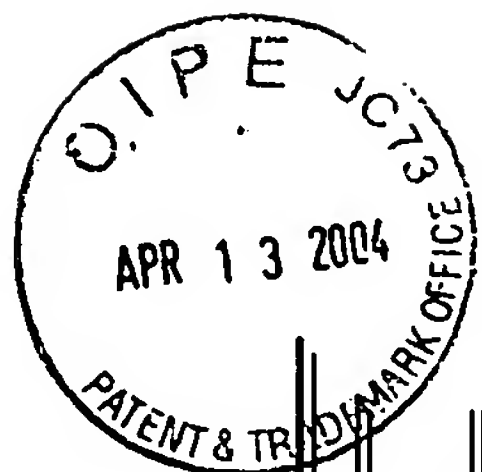


	28	04220381	1980-09-02	Van der Graaf	B1
	29	04348672	1982-09-07	Givler	B1
	30	04445734	1984-05-01	Cunningham	B1
	31	04537457	1985-08-27	Davis Jr et al	B1
	32	04578675	1986-03-25	Macleod	B1
	33	04605268	1986-08-12	Meador	B1
	34	04660910	1987-04-28	Sharp et al	B1
	35	04683944	1987-08-04	Curlett	B1
	36	04698631	1987-10-06	Kelly Jr et al	B1
	37	04722402	1988-02-02	Weldon	B1
	38	04785247	1988-11-15	Meador et al.	B1
	39	04788544	1988-11-29	Howard	B1
	40	04806928	1989-02-21	Veneruso	B1
	41	04884071	1989-11-28	Howard	B1
	42	04901069	1990-02-13	Veneruso	B1
	43	04914433	1990-03-04	Galle	B1
	44	04924949	1990-05-15	Curlett	B1
	45	05008664	1991-04-16	More et al	B1
	46	05052941	1991-10-01	Hernandez-Marti et al	B1
	47	05148408	1992-09-15	Matthews	B1
	48	05248857	1993-09-28	Ollivier	B1
	49	05278550	1994-01-11	Rhein-Knudsen et al	B1
	50	05302138	1994-04-12	Shields	B1
	51	05332049	1994-07-26	Tew	B1
	52	05334801	1994-08-02	Mohn	B1
	53	05371496	1994-12-06	Tanamachi	B1
	54	05454605	1995-10-03	Mott	B1
	55	05455573	1995-10-03	Delatorre	B1
	56	05505502	1996-04-09	Smith et al	B1
	57	05517843	1996-05-21	Winship	B1
	58	05521592	1996-05-28	Veneruso	B1
	59	05568448	1996-10-22	Tanigushi et al	B1
	60	05650983	1997-07-22	Kondo et al	B1
	61	05691712	1997-11-25	Meek et al	B1
	62	05743301	1998-04-28	Winship	B1
	63	05810401	1998-09-22	Mosing et al	B1



	64	05833490	1998-11-10	Bouldin	B1
	65	05853199	1998-12-29	Wilson	B1
	66	05856710	1999-01-05	Baughman et al	B1
	67	05898408	1999-04-27	Du	B1
	68	05908212	1999-06-01	Smith et al	B1
	69	05924499	1999-07-20	Birchak et al	B1
	70	05942990	1999-08-24	Smith et al	B1
	71	05955966	1999-09-21	Jeffryes et al	B1
	72	05959547	1999-09-28	Tubel et al	B1
	73	05971072	1999-10-26	Huber et al	B1
	74	06030004	2000-02-29	Schnock et al	B1
	75	06041872	2000-03-28	Holcomb	B1
	76	06045165	2000-04-04	Sugino et al	B1
	77	06046685	2000-04-04	Tubel	B1
	78	06057784	2000-05-02	Schaaf et al	B1
	79	06104707	2000-08-15	Abraham	B1
	80	06108268	2000-08-22	Moss	B1
	81	06123561	2000-09-26	Turner et al	B1
	82	06141763	2000-10-31	Smith et al	B1
	83	06173334	2001-01-09	Matsuzaki et al	B1
	84	06177882	2001-01-23	Ringgenberg et al	B1
	85	06188223	2001-02-13	van Steenwyk et al	B1
	86	06196335	2001-03-06	Rodney	B1
	87	06223826	2001-01-05	Chau et al	B1
	88	06367565	2002-04-09	Hall	B1
	89	06392317	2002-05-21	Hall et al	B1
	90	RE35790	1998-05-12	Pustanyk et al	B1
	91	04121193	1978-10-17	Denison	B1
	92	04126848	1978-11-21	Denison	B1
	93	02633414	1953-03-31	Boivinet	B1
	94	02982360	1961-05-02	Morton et al	B1
	95	05311661	1994-05-17	Zifferer	B1
	96	05517843	1996-05-21	Winship	B1
	97	02178931	1939-11-07	Crites et al.	B1
	98	02197392	1940-04-16	Hawthorn	B1
	99	02249769	1941-07-22	Leonardon	B1





	100	02531120	1950-11-21	Feaster	B1
	101	02748358	1956-05-29	Johnston	B1
	102	03170137	1965-02-16	Brandt	B1
	103	03253245	1966-05-24	Brandt	B1
	104	04496203	1985-01-29	Meadows	B1
	105	06209632	2001-04-03	Holbert et al.	B1
	106	06405795	2002-06-18	Holbert et al.	B2
	107	06655464	2003-12-02	Chau et al.	B2
	108	06641434	2003-11-04	Boyle et al.	B2
	109	06670880	2003-12-30	Hall et al.	B2

## US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20020135179	2002-09-26	Boyle et al	A1		
	2	20020193004	2002-12-19	Boyle et al	A1		
	3	20030070842	2003-04-17	Bailey et al	A1		
	4	20030213598	2003-11-20	Hughes	A1		

## Signature

Examiner Name	Date